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APPLICANT:

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INT.CL.

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TITLE

THIOPHENE DERIVATIVE, COMPLEX

CONTAINING THE DERIVATIVE AS

COMPONENT AND ITS PRODUCTION

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ABSTRACT :

NEW MATERIAL:3,4:3',4'-Bithieno[2,3-b]thiophene of formula I.

USE: An electron donor constituting a charge transfer complex. Electrolytic polym erization of the compound gives a polymer having high electrical conductivity.

PREPARATION: The objective compound can be produced by reacting 3,4dibromothieno[2,3-b] thiophene with a bis (-triphenylphosphine)nickel (n) II halide [e. g. bis(triphenylphosphine)nickel(II) chloride], zinc and a tetraalkyl ammonium halide (e. g. tetramethyl ammonium chloride) in a solvent (e.g. pen tane or benzene) preferably at 20-130° for 0.5-50hr.

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